

## Asst. Prof. LALEHAN ÖZALP ZAFER

### Personal Information

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### International Researcher IDs

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### Education

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Chemistry, Turkey 2017 - 2022

Postgraduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Chemistry, Turkey 2014 - 2016

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 2004 - 2010

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Other, Transmembran Proteinlerin MD simülasyonları, Gebze Teknik Üniversitesi, 2022

### Dissertations

Doctorate, AZOL GRUBU İÇEREN YENİ BİLEŞİKLERİN MPGES-1 ENZİM AKTİVİTESİ ÜZERİNE ETKİLERİNİN İNCELENMESİ, Marmara University, Faculty Of Sciences, Department Of Chemistry, 2022

Postgraduate, Ftalosiyanın-DNA Bağlanması In Siliko Yöntemlerle İncelenmesi, Marmara University, Faculty Of Sciences, Department Of Chemistry, 2017

### Research Areas

**Avesis Research Areas:** Biochemistry

**WoS Research Areas:** Mathematical & Computational Biology, Chemistry Physical, Biochemical Research Methods, Biophysics

**Scopus Research Areas:** Physical and Theoretical Chemistry, Biophysics

### Academic Positions

Assistant Professor, Marmara University, Faculty Of Sciences, Department Of Chemistry, 2025 - Continues

## Articles

- I. **A novel controlled release system Au-CuONP/P(MMAcoMAA)/chitosan nanocomposites: Synthesis, characterization, antimicrobial activity and in silico molecular docking**  
Isiksel E., ATTAR A., Ozalp L., ALTIKATOĞLU YAPAÖZ M.  
International Journal of Biological Macromolecules, vol.307, 2025 (SCI-Expanded, Scopus)
- II. **Investigation of the effects of licorice beverages and licorice extracts on monoamine oxidase and cholinesterase activity**  
İskit E., Aktaş D., Özalp L., Meletli F., Daniş Ö.  
South African Journal of Botany, vol.180, pp.606-614, 2025 (SCI-Expanded, Scopus)
- III. **Arylcoumarin and novel biscoumarin derivatives as potent inhibitors of human glutathione S-transferase**  
Ozalp L., Orhan B., Alparslan M. M., Meletli F., Çakmakçı E., Daniş Ö.  
Journal of Biomolecular Structure and Dynamics, vol.42, no.21, pp.11456-11470, 2024 (SCI-Expanded, Scopus)
- IV. **In vitro and in silico investigation of inhibitory activities of 3-arylcoumarins and 3-phenylazo-4-hydroxycoumarin on MAO isoenzymes**  
Yuce-Dursun B., Daniş Ö., Ozalp L., Sahin E., Demir S., Erdem S., Ogan A.  
STRUCTURAL CHEMISTRY, vol.34, no.5, pp.1715-1729, 2023 (SCI-Expanded, Scopus)
- V. **Synthesis and human monoamine oxidase inhibitory activity of novel C2-, C3-and C4-substituted phthalonitriles**  
Ali H. E. A., Ozalp L., DANIŞ Ö., Odabas Z.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.74, 2022 (SCI-Expanded)
- VI. **In silico discovery of potential azole-containing mPGES-1 inhibitors by virtual screening, pharmacophore modeling and molecular dynamics simulations**  
Ozalp L., KÜÇÜKGÜZEL İ., OGAN A.  
STRUCTURAL CHEMISTRY, vol.33, no.4, pp.1157-1175, 2022 (SCI-Expanded)
- VII. **Investigation of HMG-CoA reductase inhibitory and antioxidant effects of various hydroxycoumarin derivatives**  
Ozalp L., DANIŞ Ö., Yuce-Dursun B., DEMİR S., Gunduz C., OGAN A.  
ARCHIV DER PHARMAZIE, vol.353, no.10, 2020 (SCI-Expanded, Scopus)
- VIII. **Computational insight into the phthalocyanine-DNA binding via docking and molecular dynamics simulations**  
Ozalp L., Erdem S. S., Yuce-Dursun B., MUTLU Ö., Ozbil M.  
COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.77, pp.87-96, 2018 (SCI-Expanded)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **ANTIOXIDANT AND ANTI-COLLAGENASE ACTIVITY OF ST. JOHN'S WORT (HYPERICUM PERFORATUM L.)**  
YILDIZ İ., Özalp L., ERDEM S., MOUŞİNGA E. G. B. K., DANIŞ Ö., OGAN A.  
3. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS 19-20 NOVEMBER 2022 İSTANBUL/ TURKE, İstanbul, Turkey, 19 November 2022, vol.1, (Full Text)
- II. **In vitro and in silico investigation of antioxidative and HMG-CoA reductase inhibitory effects of various coumarin derivatives**  
Özalp L., DANIŞ Ö., YÜCE DURSUN B., DEMİR S., OGAN A.  
7th International Congress of Molecular Medicine, İstanbul, Turkey, 5 - 07 September 2019, (Summary Text)
- III. **The effect of substituents on Phthalocyanine-DNA binding: molecular dynamics and docking studies**  
ÖZALP L., ERDEM S., ÖZBİL M.  
International conference on applied mathematics, modeling and Life Sciences, 3 - 05 October 2018, (Summary Text)
- IV. **Molecular dynamics and docking studies on the interactions of DNA with quaternary metallo**

## **phthalocyanines**

ÖZALP L., ERDEM S., ÖZBİL M.

International Symposium on Chemistry Via Computation Applications on Molecular Nanoscience, 30 October 2017,  
(Summary Text)

**V. In Silico Modelling of DNA Quaternized Metallophthalocyanine Binding M Zn Ni Cu**

Özalp L., ERDEM S., YÜCE DURSUN B.

4. BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016

**VI. ZnIIFtalosiyanın Türevinin DNA Bağlanma Özelliklerinin in vitro ve in silico Yöntemlerle İncelenmesi**

YÜCE DURSUN B., ÖZALP L., BAŞAK A. S., ERDEM S.

2. Bilgisayar Destekli İlaç Tasarımı Uygulamalı Kursu, Turkey, 16 - 17 May 2016

## **Metrics**

Publication: 14

Citation (WoS): 19

Citation (Scopus): 29

H-Index (WoS): 2

H-Index (Scopus): 2